Attorney Docket No. 224089

Client Reference No. GN 02092 OCONTITANIA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Andriessen et al

Group Art Unit: Unassigned Examiner: Unassigned

Application No. Unassigned

Filed: September 11, 2003

For: PROCESS FOR PREPARING NANO-POROUS METAL OXIDE

SEMICONDUCTOR LAYERS

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

 \boxtimes within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date In re Appln. of Andriessen et al. Application No. Unassigned

		rst Office Action on the merits; or (d) before the mailing of a first Office Action he filing of a request for continued examination under 37 CFR 1.114.				
	after (a), (b), (c) or (d) above, but before the mailing date of a final action undo 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action the otherwise closes prosecution in the application, and includes <i>one</i> of:					
		the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e) below).				
	\Box	the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).				
	under and o 37 CF	the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 37 CFR 1.311, or an action that otherwise closes prosecution in the application or before payment of the issue fee, and includes the Statement under 8 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as the in 37 CFR 1.17(p) (see "Fees" below).				
	after the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and within thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below). NOTE: This is for original applications except applications for a design patent, filed on or afted May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.					
Copie	s of the	References				
⊠	Copies of the references listed on the enclosed Form 1449 are enclosed herewith Attached to each reference not in the English language is a concise explanation of th relevance pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, c an English-language abstract, or an English-language version of the search report c action by a foreign patent office in a counterpart foreign application indicating th degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).					
	A copy	of the foreign search report is enclosed herewith.				
	parent furnish submit The E accord Proced relied	ferences listed on the enclosed Form 1449 were previously identified in the application(s) of the present application, and copies of the references were ed at that time. Accordingly, additional copies of the references are not ted herewith, so as not to burden the file with duplicate copies of references. xaminer is respectfully requested to carefully review the references in ance with the requirements set out in the Manual of Patent Examining ure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) upon for an earlier filing date under 35 USC 120 in which copies of the ces were previously furnished are set out below:				

In re Appln. of Andriessen et al. Application No. Unassigned

U.S. APPLICATIONS

L	U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED					
2										
3										
St	Statement under 37 CFR 1.97(e)									
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from foreign patent office in a counterpart foreign patent application not more than thre months prior to the filing of the Information Disclosure Statement.									
	The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.									
St	Statement under 37 CFR 1.704(d)									
	Information Disclos office in a counter any individual desi	hereby states that each sure Statement was cited part application and that gnated in 37 CFR 1.56(c) Disclosure Statement.	in a communi this commun	cation from a	a foreign patent not received by					

Status (check one)

Fees

No fee is owed by the applicant(s).
The IDS Fee of \$180 under 37 CFR 1.17(p) is enclosed herewith.

Method of Payment of Fees

Attached is a check in the amount of \$
Charge Deposit Account No. 12-1216 in the amount of \$
this communication is enclosed for that purpose.)

Authorization to Charge Additional Fees

If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.) In re Appln. of Andriessen et al. Application No. Unassigned

Instructions as to Overpayment



Credit Account No. 12-1216. Refund

Christopher T. Griffith, Reg. No. 33,392 LEYDIG, VOIT & MAYER, LTD. Two Prudential Plaza, Suite 4900

180 North Stetson

Chicago, Illinois 60601-6780 (312) 616-5600 (telephone)

(312) 616-5700 (facsimile)

Date: September 11, 2003

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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) Sheet of

Ī	Complete if Known					
	Application Number	Unassigned				
	Filing Date	September 11, 2003				
	First Named Inventor	Andriessen				
	Group Art Unit	Unassigned				
	Examiner Name	Unassigned				
_	Attorney Docket Number	224089				

				U.S. PATENT DOCUMENTS		
		U.S. Patent Do	cument			
Examiner Initials	Doc. No.		Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date Appropriate
	AA	4,927,721		Gratzel et al.	May 22, 1990	
	AB	5,350,644	5	Graetzel et al.	Sep. 27, 1994	
			L			

		Foreign Patent Document				T	Translation	
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+
	AC	JP	5-504023	W	Graetzel et al.	June 24, 1993	X+	
	AD	EP	1 176 646	A1	Ecole Polytechnique Federale de Lausanne	Jan. 30, 2002		
	ΑE	wo	00/72373	A1	Ludwig Brann Patentbyra AB	Nov. 30, 2000		

		OTHER - NON PATENT LITERATURE DOCUMENTS			
Examiner	Doc.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item			
Initials	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No**	
	AF	Barbe et al.; Mat. Res. Soc. Symp. Proc., 431, 129-134 (1996)			
	AG	Lindstrom et al.; Nano Letters, 1 (2), 97-100 (2001)			
	AH	O'Regan et al.; Nature, 353, 737-740 (October 24, 1991)			
	AI	O'Regan et al.; Chem. Mater., 7, 1349-1354 (1995)			
	AJ	Pichot et al.; Langmuir, 16, 5626-5630 (2000)			
	AK	Tennakone et al.; Semicond. Sci. Technol., 10, 1689-1693 (1995)			

Examiner Signature		Date Considered	
	L		

A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
 An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).